

# INFORMATION REPORT

CD NO.

25X1A

COUNTRY Korea

DATE DISR. 15 Sep 51

SUBJECT Mineral Production in North Korea

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PLACE ACQUIRED

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DATE OF INFO.

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SUPPLEMENT TO REPORT NO.

1. The Unchang (125-08, 40-07) mine produced columbite, beryllium,\* cupro-uranite and fergusonite. Amounts, in tons, shipped to the Soviet Union were as follows:

	1946	1947	1948	1949	1950	Total
Columbite	4,000	5,000	7,000	6,000	1,500	23,500 **
Beryllium	6	13	17	23	1	60

2. The Hungnam fertilizer plant, besides producing fertilizer, also produced the following minerals, chemicals and other materials:

Item	February 1950 (Amount in tons unless stated otherwise)	March 1950
Ammonium sulphur-phosphate	1,182	1,476
Ammonium chloride	786	919
Ammonium	936	9,450
HCl (liquid)	41	57
Glycerin	45	65
Caustic soda	866	982
Washing soap	672	1,371
Powder soda	651	878
Toilet soap	88	103
Alcohol	428 kgs	857 kgs
H <sub>2</sub> SO <sub>4</sub>	180	971
Acetic acid	30	37
H <sub>2</sub> SO <sub>4</sub> (watered)	2,045	28,153
Acetone	37	37
Artificial carbon-pole	101	137
Natural carbon-pole	345	320
Metal drums	134 pieces	3,589 pieces
Dynamite	0	478
Carbide	226	11,703
Nitrate	296	3,645

CLASSIFICATION

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No Change in Class.

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Ammonium ceps	845 450 pieces	0
UO <sub>2</sub>	100	2,557
Ammonium nitrate	3 079	1,787

2. Besides turning out these products, the Mangwan fertilizer plant carried on chemical research sponsored by the North Korean Ministry of Industry. The chief research worker was YO Hyong-in (조 흥인), who received his training at the Isum Technological University near Dairen under the Japanese occupation. Research was carried on in dyes and in improved methods to refine monazite sand.\*\*\*

25X1A \* [REDACTED] Comment. In May 1990 the tungsten mine at Haksu-ra (127-26, 38-15) was converted to produce beryllium. [REDACTED]

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\*\*\* [REDACTED] Comment. Figures for columbite seem high.

\*\*\* [REDACTED] Comment. Monazite mining in North Korea was discussed in [REDACTED] and referenced reports.

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